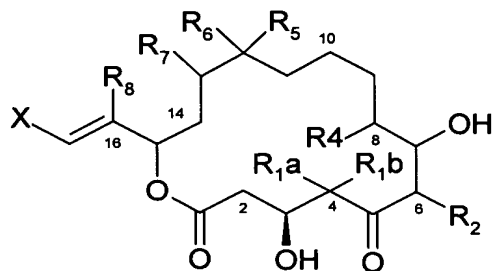


This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Previously presented) An epothilone compound of formula I,



in which

$R^4$  means hydrogen,  $C_1$ - $C_{10}$  alkyl, aryl,  $C_7$ - $C_{20}$  aralkyl,

$R^5$  means hydrogen,  $C_1$ - $C_{10}$  alkyl, aryl,  $C_7$ - $C_{20}$  aralkyl,

wherein, for  $R^4$  and  $R^5$ , aryl is phenyl, wherein said phenyl is optionally substituted in one or more places by halogen, OH, O-alkyl,  $CO_2H$ ,  $CO_2$ -alkyl,  $-NH_2$ ,  $-NO_2$ ,  $-N_3$ ,  $-CN$ ,  $C_1$ - $C_{20}$  alkyl,  $C_1$ - $C_{20}$  acyl and/or  $C_1$ - $C_{20}$  acyloxy groups, and

wherein, for  $R^4$  and  $R^5$ , aralkyl is benzyl or phenylethyl, wherein said benzyl or phenylethyl is optionally substituted in one or more places by halogen, OH, O-alkyl,  $CO_2H$ ,  $CO_2$ -alkyl,  $-NO_2$ ,  $-N_3$ ,  $-CN$ ,  $C_1$ - $C_{20}$  alkyl,  $C_1$ - $C_{20}$  acyl and/or  $C_1$ - $C_{20}$  acyloxy groups,

$R^6$ ,  $R^7$  each mean a hydrogen atom, or together mean an additional bond to result in a double bond on the ring between their two positions or together mean an oxygen atom to provide an epoxide ring,

$R^8$  means a methyl group or hydrogen,

and at the same time,  $R^{1a}$  and  $R^{1b}$  together stand for a trimethylene group,  $R^2$  stands for a phenyl or benzyl radical, and X stands for a 2-methyl-4-thiazolyl or 2-methyl-4-oxazolyl radical or

at the same time  $R^{1a}$  and  $R^{1b}$  together stand for a trimethylene group,  $R^2$  stands for a methyl, ethyl or propyl group and X stands for a 2-methyl-4-thiazolyl or 2-methyl-4-oxazolyl radical or

at the same time  $R^{1a}$  and  $R^{1b}$  in each case stand for a methyl group,  $R^2$  stands for a methyl, ethyl or propyl radical, and X stands for a 2-methyl-4-thiazolyl or 2-methyl-4-oxazolyl radical,

wherein the nitrogen atom and/or the sulfur atom in X can be present in oxidized form, and

wherein,  $R^2$  and  $R^8$  each are simultaneously not a methyl radical, or a stereoisomer thereof.

**2. (Previously presented)** A compound according to claim 1, in which  $R^8$  is a hydrogen atom.

**3. (Previously presented)** A compound according to claim 1, in which  $R^8$  is a methyl group.

**4. (Previously presented)** A compound according to claim 1, in which  $R^2$  is an ethyl group.

**5. (Previously presented)** A compound according to claim 1, in which  $R^2$  is a propyl group.

**6-16. (Cancelled)**

**17. (Previously presented)** A compound according to claim 2, in which R<sup>2</sup> is a propyl group.

**18. (Previously presented)** A compound according to claim 1, in which R<sup>5</sup> is a methyl group.

**19. (Cancelled)**

**20. (Previously presented)** A compound of formula I of claim 1, which is:

(4S,7R,8S,9S,13(E or Z),16S(E))-4,8-Dihydroxy-16-(2-(2-methyl-4-thiazolyl)ethenyl)-1-oxa-5,5,7,9,13-pentamethyl-cyclohexadec-13-ene-2,6-dione,

(1(S or R),3S(E),7S,10R,11S,12S,16R)-7,11-Dihydroxy-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8,10,12,16-pentamethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(1(R or S),3S(E),7S,10R,11S,12S,16S)-7,11-Dihydroxy-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8,10,12,16-pentamethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(4S,7R,8S,9S,13(E or Z),16S(E))-4,8-Dihydroxy-7-ethyl-16-(2-(2-methyl-4-thiazolyl)ethenyl)-1-oxa-5,5,9,13-tetramethyl-cyclohexadec-13-ene-2,6-dione,

(1(S or R),3S(E),7S,10R,11S,12S,16R)-7,11-Dihydroxy-10-ethyl-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8,12,16-tetramethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(1(R or S),3S(E),7S,10R,11S,12S,16S)-7,11-Dihydroxy-10-ethyl-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8,12,16-tetramethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(4S,7R,8S,9S,13(E or Z),16S(E))-4,8-Dihydroxy-16-(2-(2-methyl-4-thiazolyl)ethenyl)-1-oxa-5,5-(1,3-trimethylene)-7,9,13-trimethyl-cyclohexadec-13-ene-2,6-dione,

(1(S or R),3S(E),7S,10R,11S,12S,16R)-7,11-Dihydroxy-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8-(1,3-trimethylene)-10,12,16-trimethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(1(R or S),3S(E),7S,10R,11S,12S,16S)-7,11-Dihydroxy-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8-(1,3-trimethylene)-10,12,16-trimethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(4S,7R,8S,9S,13(E or Z),16S(E))-4,8-Dihydroxy-7-ethyl-16-(2-(2-methyl-4-thiazolyl)ethenyl)-1-oxa-5,5-(1,3-trimethylene)-9,13-dimethyl-cyclohexadec-13-ene-2,6-dione,

(1(S or R),3S(E),7S,10R,11S,12S,16R)-7,11-Dihydroxy-10-ethyl-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8-(1,3-trimethylene)-12,16-dimethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione, or

(1(R or S),3S(E),7S,10R,11S,12S,16S)-7,11-Dihydroxy-10-ethyl-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8-(1,3-trimethylene)-12,16-dimethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione.

**21. (Previously presented)** A pharmaceutical composition comprising at least one compound of formula I according to claim 1 and a pharmaceutically compatible vehicle.

**22. (Canceled)**

**23. (Previously presented)** A method for preparing a pharmaceutical composition comprising bringing together a pharmaceutically acceptable carrier and a compound of formula I according to claim 1.

**24. (Currently amended)** A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 20 and a pharmaceutically compatible vehicle.

**25. (Previously presented)** A compound according to claim 1, in which X is 2-methyl-4-thiazolyl.

**26. (Previously presented)** A compound according to claim 1, in which X is 2-methyl-4-oxazolyl radical.

**27. (Previously presented)** A compound according to claim 1, in which R<sup>1a</sup> and R<sup>1b</sup> in each case stand for a methyl group.

**28. (Previously presented)** A compound according to claim 1, in which R<sup>1a</sup> and R<sup>1b</sup> together stand for a trimethylene group.

**29. (Previously presented)** A compound according to claim 1, in which R<sup>6</sup> and R<sup>7</sup> together mean an oxygen atom to provide an epoxide ring.

**30. (Previously presented)** A compound according to claim 25, in which R<sup>6</sup> and R<sup>7</sup> together mean an oxygen atom to provide an epoxide ring.

**31. (Previously presented)** A compound according to claim 26, in which R<sup>6</sup> and R<sup>7</sup> together mean an oxygen atom to provide an epoxide ring.

**32. (Previously presented)** A compound according to claim 27, in which R<sup>6</sup> and R<sup>7</sup> together mean an oxygen atom to provide an epoxide ring.

**33. (Previously presented)** A compound according to claim 28, in which R<sup>6</sup> and R<sup>7</sup> together mean an oxygen atom to provide an epoxide ring.